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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER

MOHANDESI, IRAJ A

ART UNIT

PAPER NUMBER

2814

DATE MAILED: 07/02/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/936,017

Applicant(s)

GERTMAR ET AL.

Examiner

Iraj A Mohandes

Art Unit

2834

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 13 November 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-62 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-6, 8, 12-25, 27-31 and 34-51, 53, 55, 56, 59-62 is/are rejected.
- 7) ☒ Claim(s) 7, 9-11, 26, 32, 33, 52, 54, 57 and 58 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 November 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 06/03.
- 4) ☐ Interview Summary (PTO-413) Paper No(s) _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. **Claims 1-6,8,13,14,16-18,24,27-31,34-51,53,55,56,59-62** are rejected under 35 U.S.C. 102(e) as being anticipated by **Kitamura Us patent 6,265,852**.

Kitamura'852 discloses a Power system stabilizer comprising a rotating electrical main machine (synchronous machine G, 21) with power line terminals (breaker terminals 23), a current converter (22, Transformer) and a voltage source(24 line voltage),windings (32) in a stator (synchronous Generator has inherently stator) connected to the electric power network terminals ,a rotor (inside the synchronous machine the rotating part) comprises inherently alternating current windings ,the first control unit (31),the control system comprises an electric power network (potential transformer and current transformer detect the power net work acting as power sensor) sensor, for sensing of an electric disturbance of at least one quantity selected the voltage and current, a transformer (22) arranged between the stator and the power line terminals, the electric power network sensor (CT and PT) of the control system is arranged for

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detect of voltage undercurrent in the terminal between the transformer and generator (column 4, line 15-20).

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. **Claims 12,15,19-23,25** are rejected under 35 U.S.C. 103(a) as being

unpatentable over **Kitamura'852** in view of **Scott US patent 5,886,504**.

Kitamura'852 discloses a Power system stabilizer comprising a rotating electrical main machine (synchronous machine G, 21) with power line terminals (breaker terminals 23), a current converter (22, Transformer) and a voltage source(24 line voltage),windings (32) in a stator (synchronous Generator has inherently stator) connected to the electric power network terminals ,a rotor (inside the synchronous machine the rotating part) comprises inherently alternating current windings ,the first control unit (31),the control system comprises an electric power network (potential transformer and current transformer detect the power net work acting as power sensor) sensor, for sensing of an electric disturbance of at least one quantity selected the voltage and current, a transformer (22) arranged between the stator and the power line terminals, the electric power network sensor (CT and PT) of the control system is arranged for detect of voltage undercurrent in the terminal between the transformer and generator (column 4, line 15-20)

Kitamura'852 fails to teach a temperature sensor, a flywheel, a turbine, a combustion engine and a load mean for collecting the driving force as a generator.

Scott'504 discloses a controlled generator system having a temperature sensor (704), for controlling the temperature, a turbine (column 6, line 1), combustion engine (column 6, line 2) inherently with a flywheel "all engine come with flywheels") to generate mechanical energy and a load (12, Fig.1), for the purpose of collecting the driving force as a generator.

Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to combine **Kitamura'852** Power system stabilizer with a temperature sensor for controlling the temperature, a turbine and a combustion engine to generate mechanical energy and a load as taught by **Scott'504** for the purpose of collecting the driving force as a generator.

With respect to the method **claims 52-62**, combination of **Kitamura'852** and **Scott'504** describes a method for excitation control of power system stabilizer.

Allowable Subject Matter

5. **Claims 7,9-11,26,32,33,52,54,57,58** are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Communication

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Iraj A Mohandesi whose telephone number is (703)305-3242. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nestor Ramirez can be reached on 703-308-1371. The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9314 for regular communications and (703)872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)306-0377.

IM
June 18, 2003



Iraj A. Mohandesi